

Title (en)

DEMAND VALVE WITH REDUCED MANUAL FLOW CONTROL

Title (de)

BEDARFSGESTEUERTES VENTIL MIT HANDGESTEUERTER KLEINER DURCHSTRÖMUNG

Title (fr)

SOUPAPE DE DISTRIBUTION A LA DEMANDE A COMMANDE MANUELLE DE DEBIT REDUIT

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Application

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Priority

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Abstract (en)

[origin: WO9406514A1] A demand valve resuscitator having a reduced manual flow control. The resuscitator connects between a source of pressurized gas and a breathing mask. A patient may draw a flow of gas on demand through the resuscitator by inhaling. A pressure-responsive diaphragm (48) within a pressure chamber (30), actuated on demand or manually, acts on a tilt valve (32) in a gas intake port (56). Alternatively, an attendant may supply a reduced flow of gas to a patient by depressing a manual control button (106), which tilts the intake valve. The manual control (106) of the gas flow is overridden by excess pressure within the pressure chamber (30) of the resuscitator, and the button (106) must be released to reassert manual control. A baffle plate (75) in the pressure chamber (30) provides a venturi assist to reduce pressure adjacent the diaphragm (48) to enable the patient to obtain maximum gas flow on demand with slight inhale suction. An anti-suffocation valve (144) allows the patient to breathe ambient air in the absence of a predetermined gas inlet pressure. The anti-suffocation valve is disposed in an intake assembly (24) having an inlet fitting (22) capable of swiveling without affecting the operation of the tilt valve.

IPC 1-7

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